

AMENDMENTS TO CLAIMS

Please amend the claims as follows (*wherein additions are shown by underlining and deletions are shown by strikethrough in amended claims*):

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1. (Currently amended): In a computer system configured for providing hardware events to software, a method comprising:

determining from a set of possible events at least one wake event directed to waking the system; ~~from a set of possible events, and~~

selectively enabling each wake event via the software to cause a method to be run for each wake event having an associated method; and

selectively determining whether to re-enable each wake event such that the software controls whether to rerun any method associated with any wake event signaling that its associated method is to be run.

2. (Original): The method of claim 1 wherein determining at least one wake event includes accessing information provided in system firmware.

3. (Original): The method of claim 1 wherein selectively enabling each wake event includes writing at least one bit to a register location.

4. (Original): The method of claim 1 wherein determining at least one wake event includes determining a wake only event, and wherein selectively enabling each wake event includes not enabling the wake only event when the system is in a running state.

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5. (Original): The method of claim 1 wherein determining at least one wake event includes determining a wake only event, and wherein selectively enabling each wake event includes enabling the wake only event when the system is entering a sleep state.

6. (Original): The method of claim 1 wherein determining at least one wake event includes determining a wake only event, and wherein selectively enabling each wake event includes enabling the wake only event when a device is entering a low power state.

7. (Currently amended): The method of claim 1 wherein determining at least one wake event includes determining a shared wake and run-time event, and wherein selectively enabling each wake event includes enabling the shared event, and handling the shared event as a run-time event when the system is in a running state and as a wake event when the system had been in a sleeping state.

8. (Original): The method of claim 1 further comprising, receiving a signal corresponding to an enabled event, and causing execution of a method in response to the signal.

9. (Original): The method of claim 1 further comprising, receiving a signal corresponding to an enabled event, and waking a device in response to the signal.

10. (Original): The method of claim 1 further comprising, receiving a signal corresponding to an enabled event, and waking the system in response to the signal.

11. (Canceled)

12. (Canceled)

13. (Currently amended): A computer system, comprising:

a status register configured to receive signals corresponding to events from hardware devices;

an enable register connected to system software and configured to enable events having signals received in the status register; and

a component of the system software configured to determine, from a set of possible events, wake events directed to waking the system, ~~system, from a set of possible events~~ and further configured to selectively enable each wake event to cause a method to be run for each wake event having an associated method, and to selectively determine whether to re-enable each wake event, such that the component controls whether to rerun any method associated with any wake event signaling that its associated method is to be run.

14. (Original): The system of claim 13 wherein the component accesses information provided in system firmware to determine the wake events directed to waking the system.

15. (Original): The system of claim 13 wherein the component maintains a plurality of data structures for tracking wake event information.

16. (Original): The system of claim 13 wherein the component accesses a namespace to determine a method corresponding to an event.

17. (Original): The system of claim 16 wherein the component accesses information provided in system firmware to construct the namespace.

18. (Original): The system of claim 13 wherein the component system accesses system firmware to determine events that are shared wake events and run-time events.

19. (Original): The system of claim 13 wherein the component system accesses system firmware to determine events that are wake only events.

20. (Currently amended): A computer-readable medium having stored thereon a data structure comprising:

a first set of information corresponding to a set of events that are wake only; and

a second set of information maintaining events for which there exists a GPE control method; and

wherein the first, second and third sets of information are accessed to cause a method associated with a wake event to be run and to selectively determine whether to re-enable the wake event after its associated method has run.

21. (Original): The computer-readable medium of claim 20 wherein the data structure further comprises a third set of information corresponding to a set of events which are currently enabled.

22. (Original): The computer-readable medium of claim 20 wherein the data structure further comprises a third set of information corresponding to a set of shared wake events and run-time events.

23. (Original): The computer-readable medium of claim 20 wherein the data structure further comprises a third set of information corresponding to a set of events that have started to be processed, but have not yet completed.

24. (New): A computer-readable medium having computer-executable instructions, which when executed perform the method of claim 1.

25. (New): In a computer system, a method comprising:
receiving a wake event provided via hardware;
running a method associated with the wake event; and
after completion of the method, selectively determining in software whether the wake event requires re-enablement, and if so, re-enabling the wake event.

26. (New): The method of claim 25 further comprising, identifying the wake up event by accessing information provided via system firmware.

27. (New): The method of claim 25 wherein re-enabling the wake event includes writing to a register location.

28. (New): The method of claim 25 further comprising, selectively enabling the wake event, including not enabling the wake event when the system is in a running state.

29. (New): The method of claim 28 wherein selectively enabling the wake event includes enabling the wake only event when the system is entering a sleep state.

30. (New): The method of claim 28 wherein selectively enabling the wake event includes enabling the wake event when the system is entering a low power state.

31. (New): The method of claim 28 wherein the wake event shares a hardware register location with a run-time event, and further comprising, handling an event at that location as a run-time event when the system is in a running state and as a wake event when the system had been in a sleeping state.

32. (New): A computer-readable medium having computer-executable instructions, which when executed perform the method of claim 25.

33. (New): In a computer system, a method comprising:
identifying a shared event comprising a wake event shared with a run-time event;
selectively enabling the shared event;
selectively determining whether the shared event is to be re-enabled, and if so, re-enabling the shared event.

34. (New): The method of claim 33 wherein identifying the shared event includes accessing information provided in system firmware.

35. (New): The method of claim 33 wherein selectively enabling the shared event includes writing to a software register location.

36. (New): The method of claim 33 further comprising handling the shared event as a run-time event when the system is in a running state and as a wake event when the system had been in a sleeping state

37. (New): A computer-readable medium having computer-executable instructions, which when executed perform the method of claim 33.